

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-010593**Date Inspected:** 17-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Xu Xian Ping	CWI Present:	Yes	No
Inspected CWI report:	Yes No N/A	Rod Oven in Use:	Yes No N/A	
Electrode to specification:	Yes No N/A	Weld Procedures Followed:	Yes No N/A	
Qualified Welders:	Yes No N/A	Verified Joint Fit-up:	Yes No N/A	
Approved Drawings:	Yes No N/A	Approved WPS:	Yes No N/A	
		Delayed / Cancelled:	Yes No N/A	
Bridge No:	34-0006	Component:	OBG Sub-Assembly	

Summary of Items Observed:

On this day Caltrans OSM Quality Assurance (QA) Inspector Stefan Holmes was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China.

Non-Destructive Testing pursuant to Non-Destructive Testing Inspection Notification Sheet (Document No. 004661):

Ultrasonic Testing (UT)

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows:

Traveller Rail

1. 10TR1-008-001
2. 10TR1-009-002
3. 10TR3-014-002
4. 10TR3-015-001
5. 10TR3-016-001
6. 10TR3-012-002
7. 10TR3-020-001
8. 11TR3-001-002

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9. 11TR3-002-002
10. 11TR3-003-002
11. 11TR3-004-002
12. 11TR3-010-001
13. 11TR3-011-002
14. 11TR3-012-001
15. 11TR3-013-001

Magnetic Particle Testing (MT)

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows:

Traveller Rail

- | | | |
|-------------------|-------------------|-------------------|
| 1. 10TR1-008-001 | 25. 10TR1-001-001 | 40. 11TR1-015-001 |
| 2. 10TR1-009-002 | 26. 10TR1-002-001 | 41. 11TR1-012-001 |
| 3. 10TR3-014-002 | 27. 10TR1-003-001 | 42. 11TR1-017-001 |
| 4. 10TR3-015-001 | 28. 10TR1-004-002 | 43. 11TR1-018-002 |
| 5. 10TR3-016-001 | 29. 10TR1-007-002 | 44. 11TR1-019-002 |
| 6. 10TR3-012-002 | 30. 10TR1-030-001 | |
| 7. 10TR3-020-001 | 31. 10TR1-018-001 | |
| 8. 11TR3-001-002 | 32. 10TR1-010-002 | |
| 9. 11TR3-002-002 | 33. 10TR1-016-002 | |
| 10. 11TR3-003-002 | 34. 11TR2-015-002 | |
| 11. 11TR3-004-002 | 35. 11TR2-018-002 | |
| 12. 11TR3-010-001 | 36. 11TR1-001-001 | |
| 13. 11TR3-011-002 | 37. 11TR1-002-002 | |
| 14. 11TR3-012-001 | 38. 11TR1-003-002 | |
| 15. 11TR3-013-001 | 39. 11TR1-004-002 | |
| 16. 11TR1-007-002 | | |
| 17. 11TR2-011-001 | | |
| 18. 11TR2-003-001 | | |
| 19. 11TR2-006-002 | | |
| 20. 11TR2-007-002 | | |
| 21. 11TR1-028-001 | | |
| 22. 11TR1-008-001 | | |
| 23. 11TR1-009-001 | | |
| 24. 11TR1-010-001 | | |

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

No relevant conversations.

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Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Holmes,Stefan	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer
